

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD21 (BU32) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-FcA65591



Basic Information

Catalog Number:

Biotin-FcA65591

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC136394

GeneID (NCBI):

1380

ENSEMBL Gene ID:

ENSG00000117322

UNIPROT ID:

P20023

Full Name:

complement component (3d/Epstein Barr virus) receptor 2

Calculated MW:

1092 aa, 119 kDa

Purification Method:

Protein A purification

CloneNo.:

BU32

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

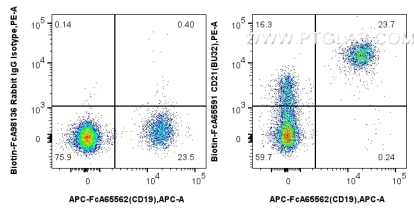
T: 4006900926

E: Proteintech-CN@ptglab.com

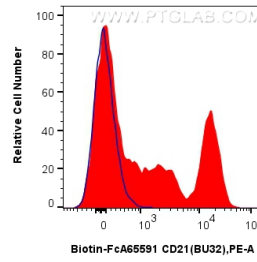
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD21 (BU32) Rabbit IgG RecAb (Biotin-FcA65591, Clone: BU32) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with APC Anti-Human CD19. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD21 (BU32) Rabbit IgG RecAb (Biotin-FcA65591, Clone: BU32) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.